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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group: Unknown }
Confirmation No.. Unknown }
Application No. Unknown }
Invention: Content Relay Service Device for }
Relay Transferring Web Content }
on Internet while Reducing Data }
Amount }
Applicant: Goushi YONEKURA }
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Attorney }
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Examiner: Unknown }

PRELIMINARY AMENDMENT

BOX Patent Application

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Contemporaneously with the filing of this application, please amend the application as follows:

5. (Amended) A content relay service device according to claim 1, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data compression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

7. (Amended) A content relay service device according to claim 1, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

14. (Amended) A content relay service device according to claim 10, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data decompression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a

system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

16. (Amended) A content relay service device according to claim 10, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

Please add the following new claims 19-48:

19. (New) A content relay service device according to claim 2, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data compression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

20. (New) A content relay service device according to claim 19, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type “a,”

and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

21. (New) A content relay service device according to claim 19, further comprising:

a cache mechanism for saving the Web content "D" before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content "D" saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content "C" which is an origin of the Web content "D."

22. (New) A content relay service device according to claim 20, further comprising:

a cache mechanism for saving the Web content "D" before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content "D" saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content "C" which is an origin of the Web content "D."

23. (New) A content relay service device according to claim 3, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type "a" loading a predetermined compressed data decompression program, and a type "b" loading no compressed data compression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type "a," and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type "b."

24. (New) A content relay service device according to claim 23, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type “a,” and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

25. (New) A content relay service device according to claim 23, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

26. (New) A content relay service device according to claim 24, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

27. (New) A content relay service device according to claim 4, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data compression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type "a," and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type "b."

28. (New) A content relay service device according to claim 27, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type "a," and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

29. (New) A content relay service device according to claim 27, further comprising:

a cache mechanism for saving the Web content "D" before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content "D" saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content "C" which is an origin of the Web content "D."

30. (New) A content relay service device according to claim 28, further comprising:

a cache mechanism for saving the Web content "D" before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content "D" saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content "C" which is an origin of the Web content "D."

31. (New) A content relay service device according to claim 2, further comprising:

a cache mechanism for saving the Web content "D" before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

32. (New) A content relay service device according to claim 3, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

33. (New) A content relay service device according to claim 4, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

34. (New) A content relay service device according to claim 11, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data decompression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

35. (New) A content relay service device according to claim 34, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type “a,” and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

36. (New) A content relay service device according to claim 34, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

37. (New) A content relay service device according to claim 35, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

38. (New) A content relay service device according to claim 12, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data decompression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

39. (New) A content relay service device according to claim 38, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type “a,” and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

40. (New) A content relay service device according to claim 38, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

41. (New) A content relay service device according to claim 39, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

42. (New) A content relay service device according to claim 13, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data decompression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

43. (New) A content relay service device according to claim 42, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type “a,” and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

44. (New) A content relay service device according to claim 42, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

45. (New) A content relay service device according to claim 43, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

46. (New) A content relay service device according to claim 11, further comprising:

a cache mechanism for saving the Web content "D" before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content "D" saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content "C" which is an origin of the Web content "D."

47. (New) A content relay service device according to claim 12, further comprising:

a cache mechanism for saving the Web content "D" before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content "D" saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content "C" which is an origin of the Web content "D."

48. (New) A content relay service device according to claim 13, further comprising:

a cache mechanism for saving the Web content "D" before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content "D" saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content "C" which is an origin of the Web content "D."

REMARKS

The application submitted herewith is amended to remove multiple dependencies. No new matter is sought to be entered by these amendments. Clean copies of the amended and new claims follow the last page of this preliminary amendment.

Accordingly, Applicants submit that this application is entitled to favorable consideration, culminating in allowance. Such action is respectfully requested.

Respectfully submitted,



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5. (Amended) A content relay service device according to claim 1, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data compression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

7. (Amended) A content relay service device according to claim 1, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

14. (Amended) A content relay service device according to claim 10, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data decompression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

16. (Amended) A content relay service device according to claim 10, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

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19. (New) A content relay service device according to claim 2, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data compression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

20. (New) A content relay service device according to claim 19, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type “a,” and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

21. (New) A content relay service device according to claim 19, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

22. (New) A content relay service device according to claim 20, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

23. (New) A content relay service device according to claim 3, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data compression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

24. (New) A content relay service device according to claim 23, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type “a,” and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

25. (New) A content relay service device according to claim 23, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

26. (New) A content relay service device according to claim 24, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

27. (New) A content relay service device according to claim 4, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data compression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

28. (New) A content relay service device according to claim 27, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type “a,” and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

29. (New) A content relay service device according to claim 27, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

30. (New) A content relay service device according to claim 28, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

31. (New) A content relay service device according to claim 2, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

32. (New) A content relay service device according to claim 3, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

33. (New) A content relay service device according to claim 4, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

34. (New) A content relay service device according to claim 11, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data decompression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

35. (New) A content relay service device according to claim 34, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type “a,” and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

36. (New) A content relay service device according to claim 34, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

37. (New) A content relay service device according to claim 35, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

38. (New) A content relay service device according to claim 12, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data decompression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

39. (New) A content relay service device according to claim 38, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type “a,” and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

40. (New) A content relay service device according to claim 38, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

41. (New) A content relay service device according to claim 39, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

42. (New) A content relay service device according to claim 13, further comprising:

a specification information obtaining mechanism for obtaining specification information regarding a function provided in the browser installed terminal through communications with the terminal, which makes access; and

a terminal differentiating mechanism for differentiating the terminal into a type “a” loading a predetermined compressed data decompression program, and a type “b” loading no compressed data decompression program based on the specification information obtained from the browser installed terminal,

wherein the data amount reducing mechanism reduces a data amount of the Web content based on a system needing no compressed data decompression program for the browser installed terminal of the type “a,” and reduces a data amount of the Web content based on a system including a predetermined compression algorithm for the browser installed terminal of the type “b.”

43. (New) A content relay service device according to claim 42, further comprising a program sending mechanism for sending the compressed data decompression program to the browser installed terminal, which makes access, wherein

the terminal differentiating mechanism differentiates a terminal capable of loading the compressed data decompression program from the browser installed terminal of the type “a,” and the compressed data decompression program is downloaded for the differentiated terminal by the program sending mechanism.

44. (New) A content relay service device according to claim 42, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

45. (New) A content relay service device according to claim 43, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

46. (New) A content relay service device according to claim 11, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content “D” saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content “C” which is an origin of the Web content “D.”

47. (New) A content relay service device according to claim 12, further comprising:

a cache mechanism for saving the Web content “D” before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content "D" saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content "C" which is an origin of the Web content "D."

48. (New) A content relay service device according to claim 13, further comprising:

a cache mechanism for saving the Web content "D" before data amount reduction processing for a predetermined period; and

a transmission mechanism for transmitting the Web content "D" saved in the cache mechanism when a certain browser installed terminal which makes access after authentication specifies the Web content "C" which is an origin of the Web content "D."

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